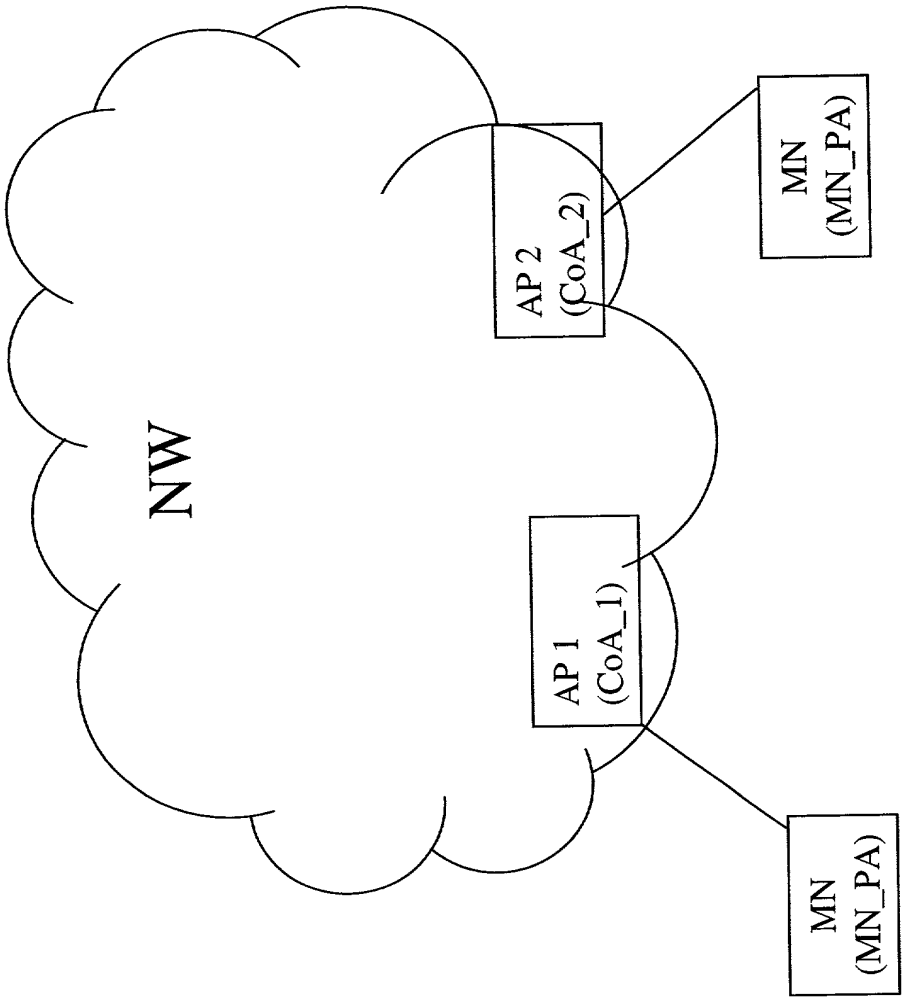


FIG. 1

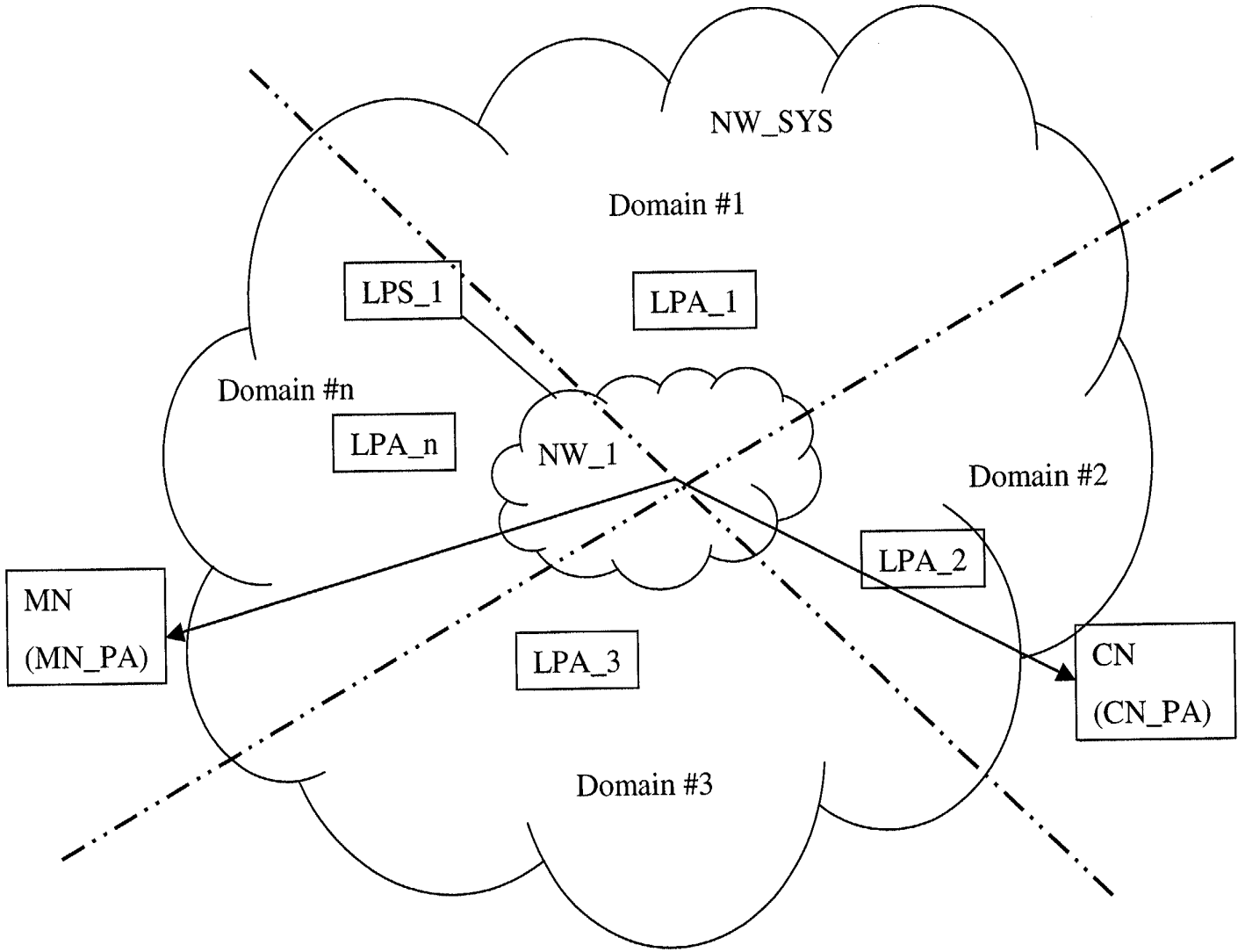

NW_SYS
Domain #1
LPS_1
LPA_1
Domain #n
LPA_n
NW_1
Domain #2
LPA_2
MN
(MN_PA)
LPA_3
CN
(CN_PA)
Domain #3

FIG.2

NW_SYS
NW_1
NW_2
LPS_1
LPA_1n
LPA_11
LPA_12
LPA_13
LPS_2
LPA_2n
LPA_21
LPA_22
LPA_23
CN
(CN_PA)
MN
(MN_PA)

FIG.3

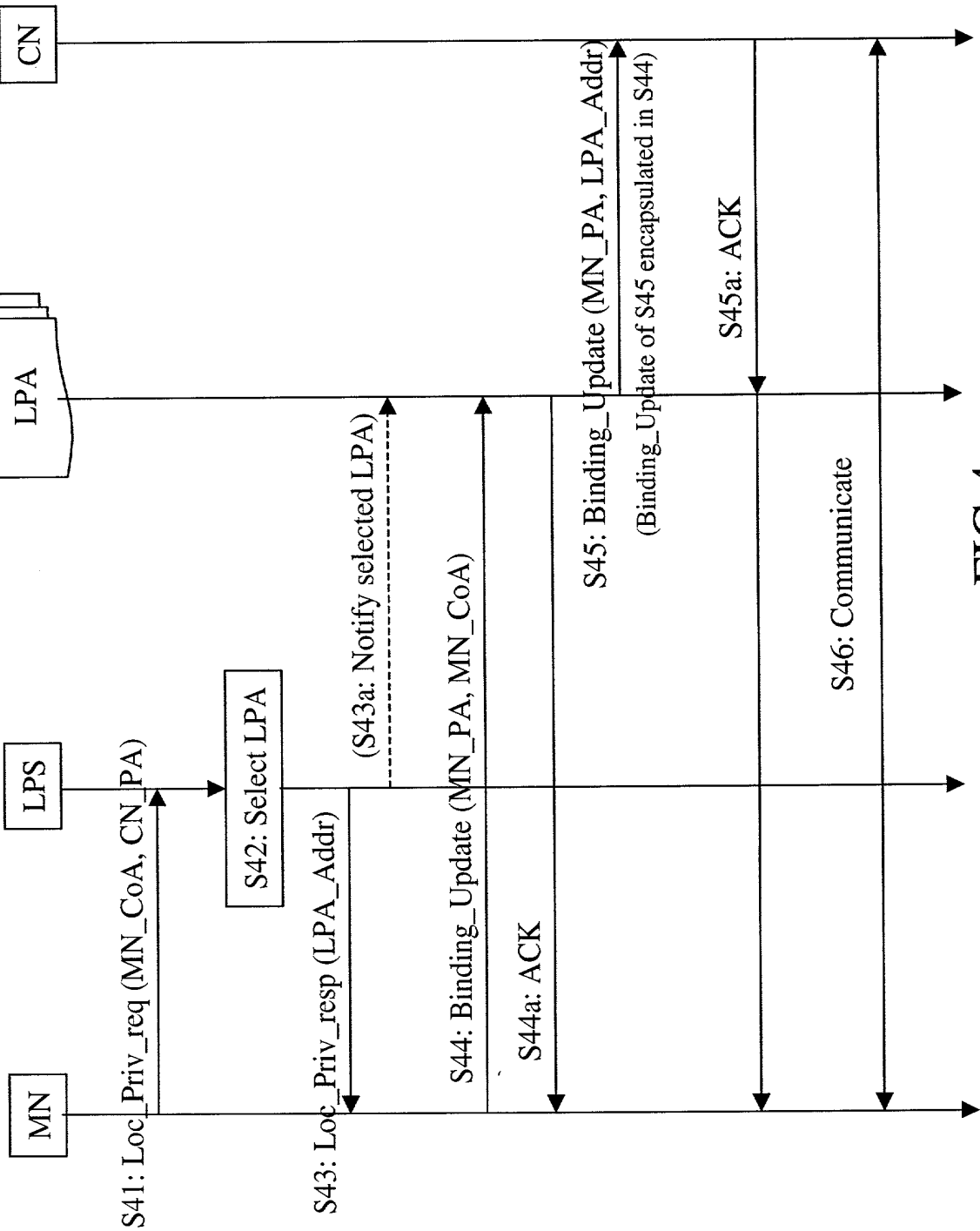

MN
LPS
S42: Select LPA
LPA
CN
S41: Loc_Priv_req (MN_CoA, CN_PA)
S43: Loc_Priv_resp (LPA_Addr)
(S43a: Notify selected LPA)
S44: Binding_Update (MN_PA, MN_CoA)
S44a: ACK
S45: Binding_Update (MN_PA, LPA_Addr)
(Binding_Update of S45 encapsulated in S44)
S45a: ACK
S46: Communicate

FIG.4

TOGOIT 2098660

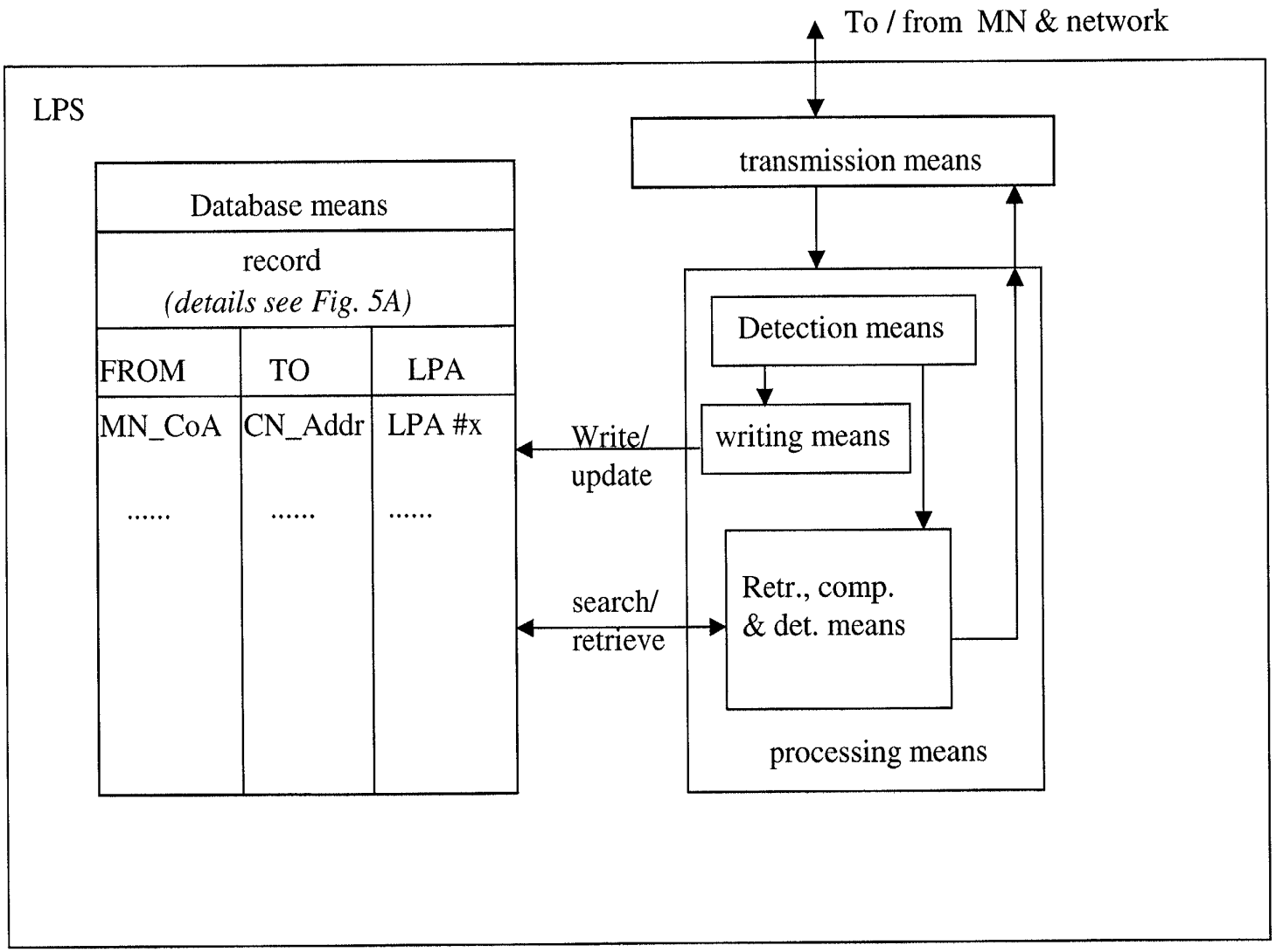


FIG.5

Record of Database means

FROM MN CoA in domain	**TO** CN Addr in domain	**LPA** to be selected =
domain#1	domain#1	LPA#1
	domain#2	LPA#2
	domain#3	LPA#3
	domain#n	LPA#n
domain#2	domain#1	LPA#2
	domain#2	LPA#n
	domain#3	LPA#1
	domain#n	LPA#3
....	....	....

FIG.5A

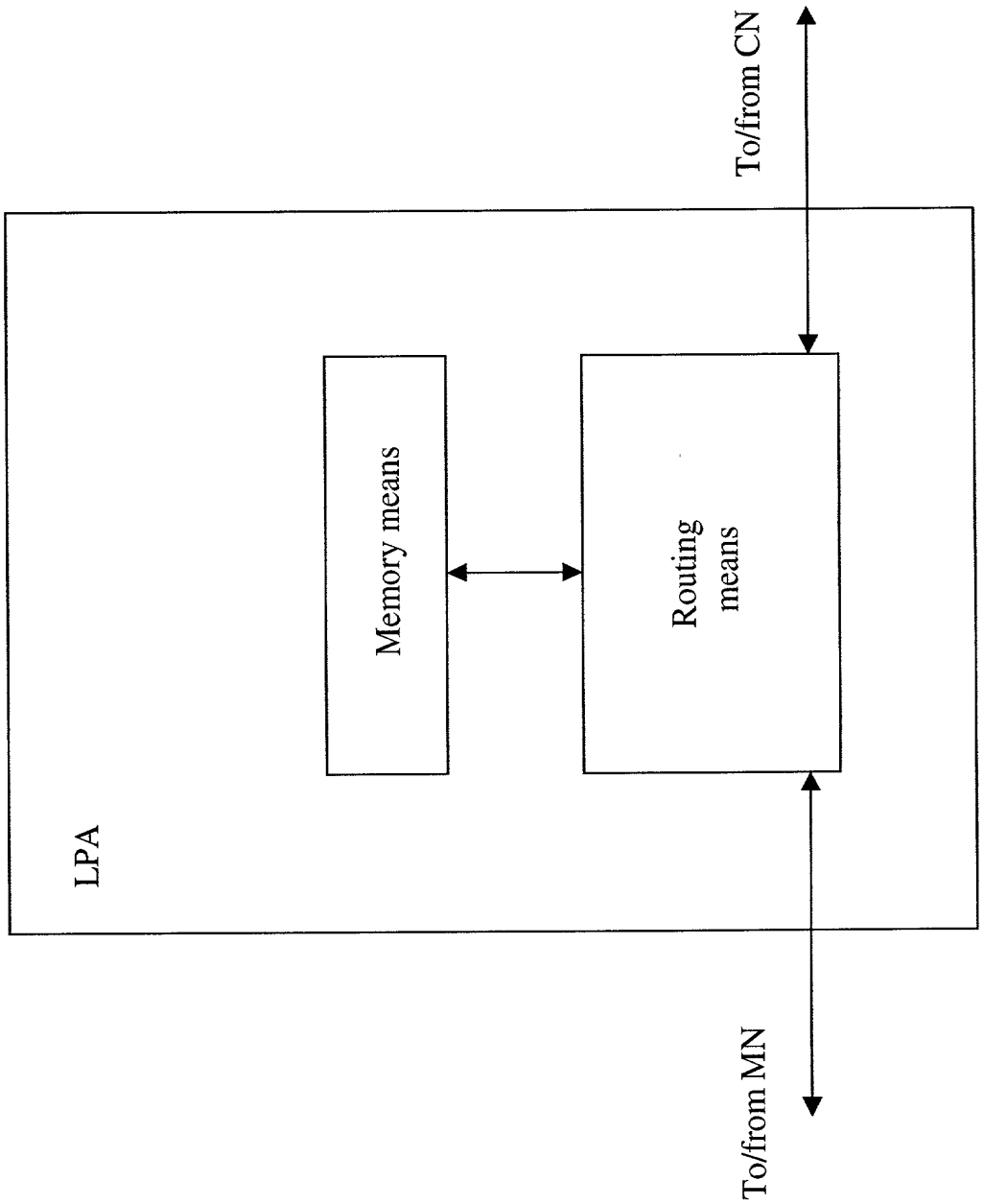


FIG.6

Location Privacy Request Message

IP fields:

- Source Address: MN's current CoA.
- Destination Address:
  - pre-defined well-know anycast address
  - unicast address of the pre-configured LPS
- Home address Destination Option: MN's home address

UDP fields:

- Source Port variable
- Destination Port TBD

FIG.7A

Location Privacy Request Message (2)

The UDP header is followed by the fields shown below:

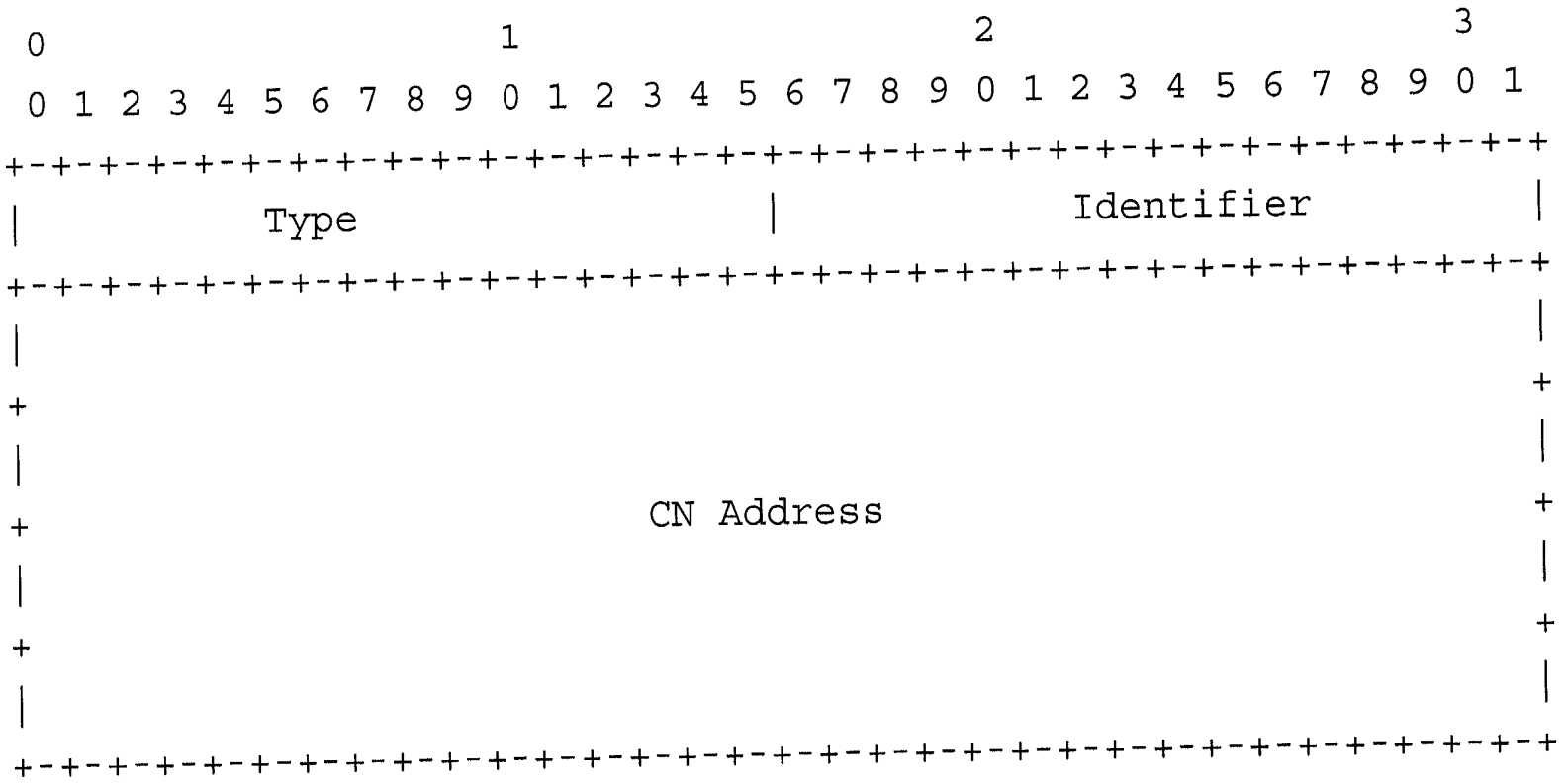


FIG.7B

Location Privacy Request Message (3)

Type 1 (Location Privacy Request)

Identifier

An identifier to aid in matching Location Privacy Response messages to this Location Privacy Request message.

CN Address

Address of the CN with which the MN asks for Location privacy

FIG.7C

Location Privacy Response Message

IP fields:

Source Address: LPS unicast address.

Destination Address: MN's CoA

Routing header Destination Option: MN's home address

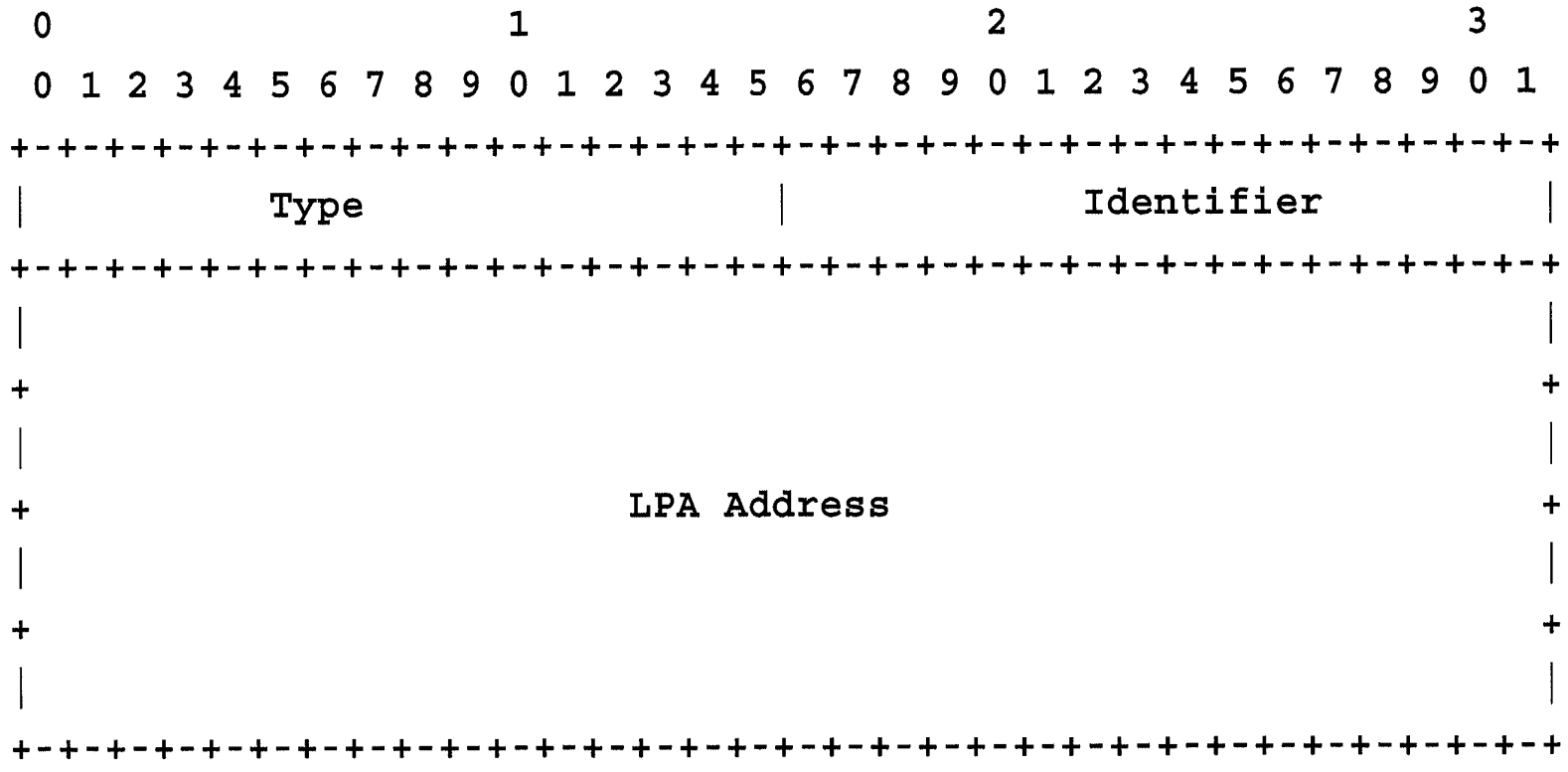
UDP fields:

Source Port	**<variable>**
Destination Port	**Copied from the source port of the corresponding Location Privacy Request**

FIG.8A

Location Privacy Response Message (2)

The UDP header is followed by the fields shown below:



Type 2 (Location Privacy Response)

Identifier

LPA Address

Address of the assigned LPA

FIG.8B